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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/809,205	03/25/2004	Toshimitsu Hirai	9319S-000717	5980	
27572	7590 05/25/2006		EXAMINER		
HARNESS,	DICKEY & PIERCE,	TALBOT, BRIAN K			
P.O. BOX 828 BLOOMFIELD HILLS, MI 48303			ART UNIT	PAPER NUMBER	
DECOMI IEE	IIIDDS, IVII 10303		1762		
			DATE MAILED: 05/25/2000	DATE MAIL ED: 05/25/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office A C	10/809,205	HIRAI, TOSHIMITSU	
Office Action Summary	Examiner	Art Unit	
	Brian K. Talbot	1762	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communic D (35 U.S.C. § 133).	·
Status	·		
1) Responsive to communication(s) filed on <u>02 M</u> 2a) This action is FINAL . 2b) This 3) Since this application is in condition for allower closed in accordance with the practice under E	action is non-final.		ts is
Disposition of Claims			•
4) ☐ Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) 8,9 and 12-20 is/are versions. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-7,10 and 11 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	withdrawn from consideration.		
Application Papers	· ·		
9)☑ The specification is objected to by the Examine 10)☑ The drawing(s) filed on 25 March 2004 is/are: a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11)☐ The oath or declaration is objected to by the Ex	a)⊠ accepted or b)⊡ objected to drawing(s) be held in abeyance. Sec ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.1	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati ity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage	:
Attachment(s) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 3/25/06;4/4/06.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:		

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1. Applicant's election with traverse of Group I, claims 1-7,10 and 11 in the reply filed on

3/2/06 is acknowledged. The traversal is on the ground(s) that all groups of claims are

sufficiently related to one another and therefore would not place a burden on the Examiner. This

is not found persuasive because the issues that arise in prosecuting method, apparatus and

product claims are diverse and this would constitute a burden on the Office.

The requirement is still deemed proper and therefore is made FINAL.

2. Claims 1-7,10 and 11 are elected as noted above. To advance prosecution of the elected

claims, non-elected claims 8,9 and 12-20 should be canceled in response to this Office Action.

Specification

3. The title of the invention is not descriptive. A new title is required that is clearly

indicative of the invention to which the claims are directed.

Only method claims remain active in the application. Apparatus and product claims have

been withdrawn from prosecution as noted above.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-7 and 10-11 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Banno et al. (6,761,925).

Banno et al. (6,761,925) teaches an electron-emitting device, apparatus and production method thereof. A method of forming a pair of electrodes and an electrically conductive thin film on a substrate comprising applying a metal element solution in droplet form (abstract). Looking at Figs. 31A-33D, droplets of the metal solution are applied in a variety of fashions including a single drop (Fog. 31A), a line of drops (Fig. 31B) or a plurality of drops in a width proportion (Fig. 31C) for make the connection between the electrodes (col. 36, line 5 – col. 37, line 20).

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7,10 and 11 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by JP 09-245,689.

JP 09-245,698 teaches a manufacture of electron emitter, electron-source substrate and image forming device. A conductive film (4) is applied between a pair of electrode 2,3 by imparting droplets of the solution. The ink-jet type droplet imparting means is used has a line of

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plural nozzles arranged at intervals each smaller than the diameter of a dot pattern to impart a plurality of droplets at a time to form the conductive film (abstract and Figs. 1-3).

With respect to the step of "defining a pattern forming area", Banno et al. (6,761,925) and JP 009-245,698 teach the step of "defining" the pattern forming area by forming the electrodes and depositing the metal solution there between. The step of "sequentially arranging the droplets in the area" is met by the deposited plurality of droplets.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian K. Talbot whose telephone number is (571) 272-1428. The examiner can normally be reached on Monday-Friday 6AM-3PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy H. Meeks can be reached on (571) 272-1423. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Brian K Talbot Primary Examiner

Tall 5/22/06

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BKT